AF C2 Training and Innovation Group

Hurlburt Field, Florida

Vision Statement

Premier command and control of aerospace power as part of the joint and combined team for America

Mission Statement

Support the warfighter through command and control training, testing, exercising, and experimentation.

Our focus is on People, Process, and

Key Tasks

- Training
- Exercises
- Testing C2 & ISR Ground and Airborne Systems
- EAF C2 organization and process development
- Joint Expeditionary Force Experiment
- Operational Command Training Program

Commander
Col Kevin Dunleavy

Deputy Commanders
Col Jon Krenkel
Col Bob Weber

Executive Director

Special Staff & Executive Officer

C2T

Superintendent

USAF C2 Warrior School

OLA Ft McPherson

OLA Ft. Hood

505th Exercise Control Squadron

Det 4, TACCSF

505th Systems Squadron

223d CBCS (ANG)

505th Operations Squadron

133d ACS (ANG)

605th Test Squadron

Det 1, AWACS

Det 2, JSTARS

Army

Navy

Marines

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Where We Are

What we bring to the fight

- **Hurlburt Field**
  - Modeling and Simulation (M & S - constructive)
  - Subject Matter Experts
  - JFACC Special Applications Facility
  - Aerospace Operations Center Simulator
  - Classrooms (including classified)
- **Kirtland AFB - TACCSF**
  - F-15, F-16,JSTARS, PATRIOT, AWACS, ABL, Space… Virtual sims, GTACS, Cobra Ball
- **Seattle, WA – Det 1, 605 TS**
  - AWACS Combined Test Force
  - ABL Combined Test Force
- **Melbourne, FL – Det 2, 605 TS**
  - JSTARS Combined Test Force

What we bring to the fight

- Ft Hood, TX – OL-A, AFC2TIG
  - Force XXI Army-AF Integration
- Ft McPhearson, AL
  - Datalinks School
- Ft Dodge, IA – 133d ACS
  - Ground Theater Air Control System Testbed
- Hot Springs, AR – 223 CBCS
  - Communications augmentation for C2 network

EAF C2 Architecture

Supporting the C/JTF Commander

Global Power Projection requires:
Robust, Redundant, and Innovative Solutions

Mission Areas

Train

	505 ECS	505 OS	505 SYS	605 TS	TACCSF	C2WS	133 ACS	223 CCS
Train								

Mission Areas

Train

Exercise

	505 ECS	505 OS	505 SYS	605 TS	TACCSF	C2WS	133 ACS	223 CCS
Exercise								

Mission Areas

Train

Exercise

Test

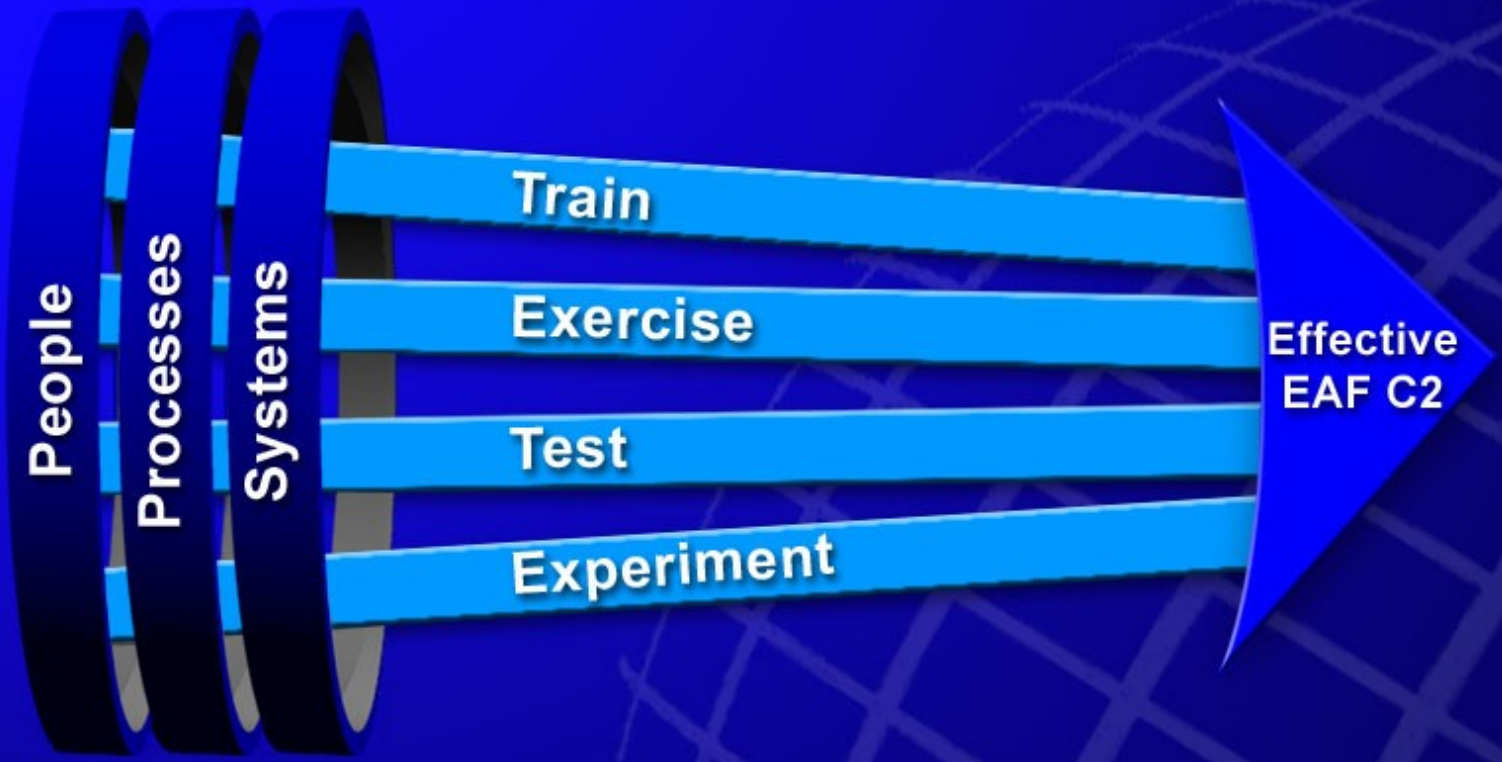
	505 ECS	505 OS	505 SYS	605 TS	TACCSF	C2WS	133 ACS	223 CCS
Test								

Mission Areas

- Train
- Exercise
- Test
- Experiment

	505 ECS	505 OS	505 SYS	605 TS	TACCSF	C2WS	133 ACS	223 CCS
JEFX								

Mission Areas



Coalition

- NATO Air Operations and Consultation, Command, and Control Agency
- RAF Air Warfare Centre
  - Aligned courses and share faculty
  - Exercise and experimentation support
- RAF JFAC Headquarters
  - AFC2TIG provides training courses
  - Lead unit for UK BLUE FLAG support
- Mil to Mil
  - NATO, PFP, Singapore, GCC, ROK, Australia, New Zealand, Sweden, Israel, UAE, Saudi Arabia
  - Enrollment in regular courses, mobile training teams, and computer based training

AFC2TIG WAY AHEAD

- AOC Formal Training Unit – IQT
- Integration of C2&ISR
- Effective Time Critical Targeting
- Integrate TACS into the AOC
- AF Interface Control Officer Training
- Evolution of C2WAC
- Expeditionary Operations Center
- JSIM/NASIM
- Synthetic Battlespace
- Distributed Warfare Center – DWC – C2

AFC2TIG

Aerospace C2 Enabler -

Focus on developing aerospace leaders capable of commanding Joint and Coalition Forces

AFC2TIG Synergy

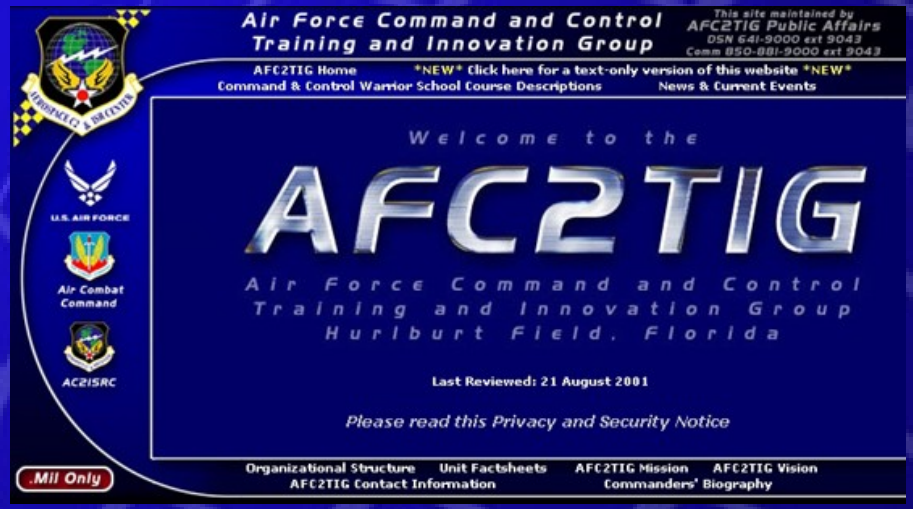
AFC2TIG Websites

NIPRNET

https://afc2tig.hurlburt.af.mil/

Public Access

http://www2.acc.af.mil/afc2tig/


Air Force Command and Control Training and Innovation Group
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Comm 850-881-9000 ext 9043
AFC2TIG Home
NEW Click here for a text-only version of this website *NEW*
Command & Control Warrior School Course Descriptions
News & Current Events
Welcome to the
AFC2TIG
Air Force Command and Control Training and Innovation Group
Hurlburt Field, Florida
U.S. AIR FORCE
Air Combat Command
AC2ISRC
Last Reviewed: 21 August 2001
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Organizational Structure
Unit Factsheets
AFC2TIG Mission
AFC2TIG Vision
AFC2TIG Contact Information
Commanders' Biography

AF C2 Training and Innovation Group

Hurlburt Field, Florida

505th Systems Squadron

Hurlburt Field, FL

Operates and maintains C2 support systems for all testing, training, exercise, and experiment activities of the AFC2TIG.

Tasks

- Weapons system support of test, training, exercise, and experimentation
- Innovative operational and technical expertise on AF C2 systems
- Sustain systems infrastructure
- Event specific C3 operations and

Resources

Budget: $3M

Manpower:

Authorized – O / E / G / C
Assigned – 9 / 64 / 4 / 18

Facilities:

Bldgs 90014, 90010, 90006, 90057, 90005

AOC Simulator (Bldg 90063)

505th Exercise Control Squadron

Hurlburt Field, FL

Conduct Command and Control Training For the JFACC and AFFOR Teams at the Operational Level of War.

Tasks

- Provide accurate and realistic representation of aerospace power in USAF Key Exercises, tests, and experiments
- Host Professional Control Force
- Execute the BLUE FLAG training program for COMACC

Resources

Budget: $8.5M

Manpower:

Authorized – O / E / G / C
Assigned – 10 / 23 / 3 / 72

Facilities: Bldg 90005

(JSIM Beta Site)

Detachment 2, 605 Test Squadron

Melbourne, FL

Provide operational aircrew perspective to continuously improve Joint STARS through test, evaluation, and advanced technology assessment. Support Development Test and Evaluation

Tasks

- Joint STARS DT&E and OT&E
- New Technology demos and evals
- Support and Assess Advanced Development Concepts
- Acceptance Test New E-8C platforms
- Collaborative Training, Demos, Exercises, and Testing w/ 93 ACW

Resources

Budget: $75K internal

$60K external

Manpower:

Authorized – O / E / G / C
Assigned – 6 / 18 / 0 / 0

Facilities: Joint STARS Test Force

Northrop Grumman

Melbourne, FL

505th Operations Squadron

Hurlburt Field, FL

The lead cadre building processes, training/assessing, and arming C2 warriors with the world's most effective operational processes and technologies for the AOC weapon system for command at the operational level of aerospace warfare.

Tasks

- CSAF's executive agent for OW/CW, AFOTTP 2-1 and OCTP
- Develop, validate and promulgate operational level processes and TTPs
- Execute C2 experimentation
- Conduct C2 warrior training and instruction
- Execute and assess C2 exercises
- Provide AOC SMEs for C2 testing
- Certify AOC C2 warriors

Resources

Budget: $1.1M

Manpower:

Authorized – 23 / 24 / 4 / 48

Assigned – 9 / 11 / 1 / 22

Facilities: Bldg's 90062 and 90013

Det 1, 605 Test Squadron

Seattle, WA

Perform government oversight on development, evaluation, and technical order verifications of all system upgrades for AWACS worldwide

Tasks

- Execute Test Missions
- Provide Maintenance Oversight
- Monitor Spiral Development process
- Participate in C2 Integrated Product Teams & Technical Interchange

Resources

Manpower:

Authorized – O / E / G / C
Assigned – 4 / 13 / 0 / 0

Facilities: The Boeing Company

AWACS Development Lab

Avionics Integration Lab

Prototype

605th Test Squadron

Hurlburt Field, FL

Provide superior test & evaluation and represent the operational warfighter in building C2 and ISR for tomorrow's air & space force

Tasks

- **Conduct operational test and eval**
  - Force Development Evaluation (FDE)
  - Tactics Development and Evaluation (TD&E)
- **Support weapon system development**
  - Det 1: AWACS
  - Det 2: Joint STARS
  - OL-A: CAOC
- **Support C2ISR Combined Test Forces**

Resources

Budget: $3.2M / $1.9M

Manpower: Hurlburt 6/13/8/28

Det 1	**4/13/0/0**
Det 2	**6/18/0/0**
OL-A	**0/0/0/1**

Facilities: 2 Bldgs Hurlburt

Det 1/Det 2/OL-A: Office space at Boeing/Northrup Grumman/CAOC-X

133 Air Control Squadron

Iowa Air National Guard

Fort Dodge, IA

Provide an effective and sustainable warfighting C2 capability through the professional test and evaluation of the Control and Reporting Center to include the development of future system upgrades and modernization.

Tasks

- Hardware/Software DT&E
- Operational Test and Evaluation
- Force Development Evaluation
- Operational Assessment
- Tactics Development & Evaluation
- Experimentation/exercise

Resources

Budget = 2.8 Million

Manpower:

Authorized – O / E / G / C
Assigned – 12 / 120 / 0 / 0

33 Full time Air Technicians

2 Full time State employees

Located at Fort Dodge Airport on 10 acres of Federally leased

Command and Control Warrior School

Hurlburt Field, FL

Train and educate joint and combined warfighters on aerospace C2 systems andprocesses at the operational level of war

Tasks

Initial Training: Joint Aerospace C2 Course; Joint Aerospace System Administrator Course; Joint Aerospace Computer Applications Course; Joint Combat Search and Rescue

Advanced Training: Command and Control Warrior Advanced Course

Senior Training: JFACC; Joint

Resources

Budget: $9.5 M

Manpower:

Authorized – O / E / G / C
Assigned – 27 / 23 / / 64

Facilities: 3 Facilities consisting 4 labs and 6 classrooms

Hardware: 118 TBMCS clients and 40 TBMCS servers

223rd Combat Comm. Sq.
(ANG)
Hot Springs, Arkansas

Federal Mission

Responsible to NAF and AFC2TIG Commander to provide personnel & equipment augmentation to AOC for local voice and data information infrastructure and C2 Systems Administration

Tasks

Provide Inside & Outside the Tent AOC augmentation, to include:

- **Communications Focal Point**
- **C2 Systems Administration**
- **AOC Network Control Center**
- **TriTac-TDC Systems Control**
- **Long haul comm**
- **Tactical Tele Switch**

Resources

Budget: 1.3 Million

Manpower: O-1/5 &E-30/115 (FT/Trad)

Facilities: 7-Acre Campus with 50,000 Sq. Ft. of Office, Maint. Bay, and Warehouse space

Det 4, AFC2TIG (TACCSF)

Kirtland AFB NM

Employ advanced simulation to train, mission rehearse, test, and experiment C2ISR resources at the tactical level

Tasks

- ACC's tactical-level Synthetic Battlespace hub
  - Integrate and schedule
  - Provide comm infrastructure
  - Develop scenarios
  - Provide virtual adversaries
- ACC lead agent for Synthetic

Resources

Budget: $8.0M ($3.6M)

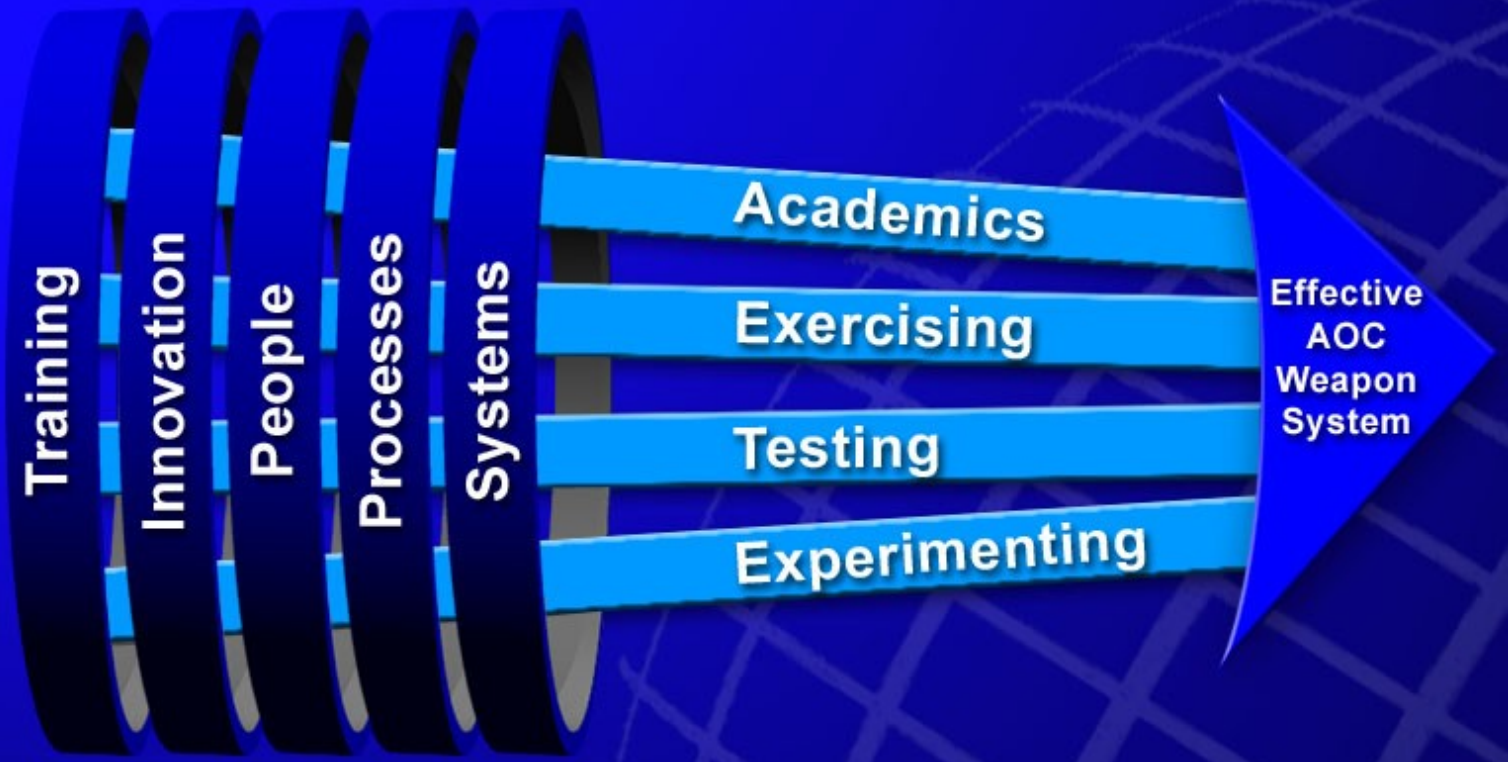
Manpower:

Authorized – 17 / 8 / 7 / 84
Assigned – 11 / 8 / 7 / 76

Facilities: 83,000 sq/ft building, 25,000 sq ft Battlespace, $250M in simulation infrastructure

Backup Slides

Mission Areas



Mission Areas

Mission Areas

Expeditionary Air Forces

STRIKE U

JWAC

FORCE XXI

WPC

NAF

MAJCOM

KASC

TRADOC

NSA

JTAMDO

USS CORONADO

JFCOM

RAF AWC

NATO NC3A

Global power projection demands effective command and control

- **Aerospace Expeditionary Forces**
- **Joint and Coalition Integration**

Squadron Name

Location

Mission Statement

UNIT PATCH

Tasks

(Statement of *KEY* mission tasks in bullets)

Resources

Budget:

Manpower: O/E/G/C

Facilities: